

# The New Mexico Botanist

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A Newsletter for the flora  
of New Mexico, from the  
Range Science Herbarium and  
Cooperative Extension  
Service, College of  
Agricultural, Consumer, and  
Environmental Sciences, New  
Mexico State University.

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## MOSSES OF NEW MEXICO

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Total families = 38  
Total genera = 130  
Total species = 302  
Total taxa = 312

### Family AMBLYSTEGIACEAE

*Amblystegium fluviatile* (Hedwig) Bruch, Schimper, & Gumbel = *Hygroamblystegium varium* (Hedwig) Mönkemeyer  
*Amblystegium humile* (Beauvois) Bruch, Schimper, & Gumbel = *Hygroamblystegium varium* (Hedwig) Mönkemeyer  
*Amblystegium juratzkanum* = *Amblystegium serpens* (Hedwig) Bruch & Schimper var. *juratzkanum* (Schimper) Rau & Hervey  
*Amblystegium noterophilum* (Sullivant & Lesquereux) Holzinger = *Hygroamblystegium varium* (Hedwig) Mönkemeyer  
*Amblystegium riparium* (Hedwig) Schimper = *Leptodietyum riparium* (Hedwig) Warnstorf  
*Amblystegium serpens* (Hedwig) Bruch & Schimper var. *juratzkanum* (Schimper) Rau & Hervey = *Amblystegium serpens* (Hedwig) Bruch & Schimper  
*Amblystegium serpens* (Hedwig) Bruch & Schimper [Bartram 1931; Mahler 1978]  
    *Amblystegium juratzkanum* Schimper  
    *Amblystegium serpens* (Hedwig) Bruch & Schimper var. *juratzkanum* (Schimper) Rau & Hervey  
*Amblystegium tenax* (Hedwig) C. Jensen = *Hygroamblystegium varium* (Hedwig) Mönkemeyer  
*Amblystegium varium* (Hedwig) Lindberg = *Hygroamblystegium varium* (Hedwig) Mönkemeyer  
*Calliergon stramineum* (Bridel) Kindberg = *Straminergon stramineum* (Bridel) Hedenäs  
*Campyliadelphus chrysophyllus* (Bridel) Kautza [Bartram 1931; Mahler 1978]  
    *Campylium chrysophyllum* (Bridel) J. Lange  
*Campylophyllum hispidulum* (Bridel) Hedenäs [Bartram 1931; Mahler 1978]  
    *Campylium hispidulum* (Bridel) Mitten  
    *Campylium chrysophyllum* (Bridel) J. Lange = *Campyliadelphus chrysophyllus* (Bridel) Kanda  
*Campylium hispidulum* (Bridel) Mitten = *Campylophyllum hispidulum* (Brid.) Hedenäs  
*Campylium radicale* (P. Beauvois) Grout = *Pseudocampylium radicale* (P. Beauvois) Vanderpoorten & Hedenäs  
*Campylium stellatum* (Hedwig) C. Jensen [Conard & Redfearn 1979; Lawton 1971]  
*Couardia compacta* (Müller Hal.) Robinson [Mahler 1978]  
    *Rhyuchostegiella compacta* (Müller Hal.) Loeske  
*Cratoneuron commutatum* of American reports = *Palustriella falcata* (Bridel) Hedenäs  
*Cratoneuron decipiens* of American reports = *Palustriella falcata* (Bridel) Hedenäs  
*Cratoneuron filicinum* (Hedwig) Spruce [Bartram 1931; Mahler 1978]  
*Drepanocladus aduncus* (Hedwig) Warnstorf [Bartram 1931; Mahler 1978; Wynne 1944]  
    *Drepanocladus aduncus* (Hedwig) Warnstorf var. *kneiffii* (Schimper) Moenkemeyer  
    *Drepanocladus aduncus* (Hedwig) Warnstorf var. *polycarpus* (Blandow ex Voit) Roth  
*Drepanocladus aduncus* (Hedwig) Warnstorf var. *kneiffii* (Schimper) Moenkemeyer = *Drepanoeladus aduncus* (Hedwig) Warnstorf  
*Drepanocladus aduncus* (Hedwig) Warnstorf var. *polycarpus* (Blandow ex Voit) Roth = *Drepanoeladus aduncus* (Hedwig) Warnstorf  
*Drepanoeladus sendtneri* (Schimper) Warnstorf : this species not yet known from North America [BFNA ined.]; reported by various authors; our material is referred to *Drepanoeladus aduncus* (Hedwig) Warnstorf;  
    *Drepanocladus sendtneri* (Schimper) Warnstorf var. *wilsonii*  
*Drepanocladus fluitans* (Hedwig) Warnstorf = *Warnstorffia fluitans* (Hedwig) Loeske  
*Drepanocladus sendtneri* var. *wilsonii* = *Drepanocladus sendtneri* Warnstorf  
*Drepanocladus uncinatus* (Hedwig) Warnstorf = *Sanionia uncinata* (Hedwig) Loeske  
*Hygroamblystegium fluviatile* (Hedwig) Loeske = *Hygroamblystegium varium* (Hedwig) Mönkemeyer  
*Hygroamblystegium orthocladioum* (P. Beauvois) Macoun & Kindberg = *Hygroamblystegium varium* (Hedwig) Mönkemeyer  
*Hygroamblystegium noterophilum* (Sullivant & Lesquereux in Sullivant) Warnstorf = *Hygroamblystegium varium* (Hedwig) Mönkemeyer Holzinger

*Botanice est Scientia Naturalis quae Vegetabilium cognitorem tradit.*  
— Linnæus



*Hygroamblystegium tenax* (Hedwig) Jennings = *Hygroamblystegium varium* (Hedwig) Mönkemeyer

***Hygroamblystegium varium*** (Hedwig) Mönkemeyer [Bartram 1931; Mahler 1978]

*Amblystegium humile* (Beauvois) Bruch, Schimper, & Gumbel

*Amblystegium fluviatile* (Hedwig) Bruch, Schimper, & Gumbel

*Amblystegium varium* (Hedwig) Lindberg

*Hygroamblystegium noterophilum* (Sullivant & Lesquereux in Sullivant) Warnstorff

*Hygroamblystegium orthocladon* (P. Beauvois) Macoun & Kindberg

*Hygroamblystegium tenax* (Hedwig) Jennings

*Leptodictyum humile* (P. Beauvois) Ochyra

*Leptodictyum trichopodium* (Schulz) Warnstorff

*Hygrohypnum luridum* (Hedwig) Jennings var. *julaceum* (Schimper) Podpera = *Hygrohypnum luridum* (Hedwig) Jennings

***Hygrohypnum luridum*** (Hedwig) Jennings [Bartram 1931; Mahler 1978]

*Hygrohypnum luridum* (Hedwig) Jennings var. *julaceum* (Schimper)

Podpera

*Hygrohypnum molle* (Hedwig) Loeske [Bartram 1931; Mahler 1978]

***Hygrohypnum ochraceum*** (Turner ex Wilson) Loeske [Mahler 1985]

*Leptodictyum humile* (P. Beauvois) Ochyra = *Hygroamblystium varium* (Hedwig) Mönkemeyer

***Leptodictyum riparium*** (Hedwig) Warnstorff [Prior 1966]

*Amblystegium riparium* (Hedwig) Schimper

*Leptodictyum trichopodium* (Schulz) Warnstorff = *Hygroamblystium varium* (Hedwig) Mönkemeyer

***Palustriella falcata*** (Bridel) Hedenäs [Allred et al. 1998]

*Cratoneuron commutatum* of North American reports

*Cratoneuron decipiens* of North American reports

*Palustriella commutata* of North American reports

*Palustriella decipiens* of North American reports

*Palustriella commutata* of North American reports = *Palustriella falcata* (Bridel) Hedenäs

*Palustriella decipiens* of North American reports = *Palustriella falcata* (Bridel) Hedenäs

*Platydictya jungermannioides* (Bridel) Crum [Mahler 1978]

***Pseudocampylium radicale*** (P. Beauvois) Vanderpoorten & Hedenäs [Mahler 1985]

*Campylium radicale* (P. Beauvois) Grout

***Sanionia uncinata*** (Hedwig) Loeske [Bartram 1931; Mahler 1978; Wynne 1944]

*Drepanocladus uncinatus* (Hedwig) Warnstorff

***Straminergon stramineum*** (Bridel) Hedenäs [Flowers 1973]

*Calliergon stramineum* (Bridel) Kindberg

***Tomentypnum nitens*** (Hedwig) Loeske [Crum & Anderson 1981]

***Warnstorffia fluitans*** (Hedwig) Loeske [Price 2011]

*Drepanocladus fluitans* (Hedwig) Warnstorff

*Hypnum fluitans* Hedwig

#### Family ANDRAEACEAE

***Andreaea heinemanni*** Hampe & Müller Hal. [Mahler 1985]

*Andreaea rupicola* sensu Mahler (1985)

#### Family ANOMODONTACEAE

***Anomodon attenuatus*** (Hedwig) Hübener [Bartram 1931; Mahler 1978]

***Anomodou miuor*** (Hedwig) Fürnrohr [Ireland et al. 1984]

***Anomodou rostratus*** (Hedwig) Schimper [Bartram 1931; Mahler 1978]

#### Family AULACOMNIACEAE

***Aulacomnium palustre*** (Hedwig) Schwägrichen [Bartram 1931; Mahler 1978]

*Aulacomnium palustre* (Hedwig) Schwägrichen var. *imbricatum* Bruch & Schimper

*Aulacomnium palustre* (Hedwig) Schwägrichen var. *imbricatum* Bruch & Schimper = *Aulacomnium palustre* (Hedwig) Schwägrichen

#### Family BARTRAMIACEAE

***Anacolia laevisphaera*** (Taylor) Flowers [Mahler 1978]

*Anacolia subsessilis* (Taylor) Brotherus

***Anacolia menziesii*** (Turner) Paris [Weber et al. 2003]

***Anacolia subsessilis*** (Taylor) Brotherus = *Anacolia laevisphaera* (Taylor) Flowers

***Bartramia brevifolia*** Bridel [Allred et al. 1998]

***Bartramia ithyphylla*** Bridel [Bartram 1931; Mahler 1978]

***Bartramia potosica*** Montagne [Allred et al. 1998]

***Philonotis capillaris*** Lindberg [Mahler 1978]

***Philonotis fontana*** (Hedwig) Bridel var. *americana* (DiSmith) Flowers ex Crum [Flowers 1973]

***Philonotis fontana*** (Hedwig) Bridel var. *caespitosa* (Juratzka) Schimper [Stark & Castetter 1982]

***Philonotis fontana*** (Hedwig) Bridel var. *fontana* [Bartram 1931; Mahler 1978]

***Philonotis fontana*** (Hedwig) Bridel var. *pumila* (Turner) Bridel [Bartram 1931; Mahler 1978]

***Philonotis tomentella*** Molendo

***Philonotis marchica*** (Hedwig) Bridel [Bartram 1931; Mahler 1978]

***Philonotis tomentella*** Molendo = *Philonotis fontana* (Hedwig) Bridel var. *pumila* (Turner) Bridel

#### Family BRACHYTHECIACEAE

***Brachytheciastrum collinum*** (Schleicher ex Müller Hal.) Ignatov & Huttunen = *Brachythecium collinum* (Schleicher ex Müller Hal.) Schimper

***Brachytheciastrum fendleri*** (Sullivant) Ochyra & Żarnowiec = *Brachythecium fendleri* (Sullivant) Jaeger

***Brachytheciastrum velutinum*** (Hedwig) Ignatov & Huttunen = *Brachythecium velutinum* (Hedwig) Bruch & Schimper

***Brachythecium acuminatum*** (Hedwig) Austin [Bartram 1931; Mahler 1978]

***Brachythecium acutum*** (Mitten) Sullivant = *Brachythecium salebrosum* (Weber & Mohr) Schimper

***Brachythecium albicans*** (Hedwig) Schimper [Stark & Castetter 1982]

***Brachythecium collinum*** (Schleicher ex Müller Hal.) Schimper [Bartram 1931; Mahler 1978]

***Brachytheciastrum collinum*** (Schleicher ex Müller Hal.) Ignatov & Huttunen

***Brachythecium erythrorrhizon*** Schimper [Bartram 1931; Mahler 1978]

***Brachythecium fendleri*** (Sullivant) Jaeger [Bartram 1931; Mahler 1978]

***Brachytheciastrum fendleri*** (Sullivant) Ochyra & Żarnowiec

***Brachythecium utahense*** James

***Brachythecium laetum*** (Bridel) Schimper in B.S.G. [Worthington 1996]

***Brachythecium oxycladon*** (Bridel) Jaeger

***Brachythecium latifolium*** Kindberg [Allred et al. 1998]

***Sciuro-hypnum latifolium*** (Kindberg) Ignatov & Huttunen

***Brachythecium nelsonii*** Grout

***Brachythecium nelsonii*** Grout = *Brachythecium latifolium* Kindberg

***Brachythecium oedipodium*** (Mitten) Jaeger [Allred et al. 1998]

***Sciuro-hypnum oedipodium*** (Mitten) Ignatov & Huttunen

***Brachythecium oxycladon*** (Bridel) Jaeger = *Brachythecium laetum* (Bridel)

Schimper in B.S.G.

***Brachythecium petrophilum*** R.S. Williams = *Brachythecium velutinum* (Hedwig) Schimper var. *venustum* (De Notaris) Arcangeli

***Brachythecium plumosum*** (Hedwig) Bruch & Schimper [Mahler 1985]

***Sciuro-hypnum plumosum*** (Hedwig) Ignatov & Huttunen

***Brachythecium populeum*** (Hedwig) Bruch & Schimper [Bartram 1931; Mahler 1978]

***Sciuro-hypnum populeum*** (Hedwig) Ignatov & Huttunen

***Brachythecium rivulare*** Bruch & Schimper [Bartram 1931; Mahler 1978]

***Brachythecium ruderale*** (Bridel) W.R. Buck [Grout 1926; Mahler 1978]

***Brachythecium stereopoma*** (Spruce ex Mitten) Jaeger

***Brachythecium wootonii*** Grout

***Brachythecium salebrosum*** (Weber & Mohr) Bruch & Schimper

[Bartram 1931; Lawton 1971; Mahler 1978; 1985]

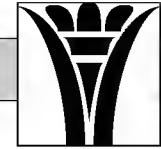
***Brachythecium acutum*** (Mitten) Sullivant

***Brachythecium stereopoma*** (Spruce ex Mitten) Jaeger = *Brachythecium ruderale* (Bridel) W.R. Buck

***Brachythecium utahense*** James = *Brachythecium fenderi* (Sullivant) Jaeger

***Brachythecium velutinum*** (Hedwig) Bruch & Schimper var. *velutinum* [Mahler 1978]

***Brachytheciastrum velutinum*** (Hedwig) Ignatov & Huttunen



***Brachythecium velutinum* (Hedwig) Bruch & Schimper var. *venustum*** (De Notaris) Arcangeli [Bartram 1931; Mahler 1978]  
*Brachythecium petrophilum* R.S. Williams  
*Brachythecium wootonii* Grout = *Brachythecium ruderale* (Bridel) W.R. Buck  
*Eurhynchium diversifolium* Schimper = *Eurhynchium pulchellum* (Hedwig) Jennings  
*Eurhynchium hians* (Hedwig) Sande Lacouture : Reported by Conard & Redfearn (1979) and Grout (1928-40), but validating specimens have not been located.

***Eurhynchium pulchellum* (Hedwig) Jennings** [Bartram 1931; Mahler 1978]  
*Eurhynchium diversifolium* Schimper  
*Rhynchosstegium pulchellum* (Hedwig) Robinson  
*Eurhynchium praelongum* (Hedwig) Schimper = *Kindbergia praelonga* (Hedwig) Ochyra  
*Kindbergia praelonga* (Hedwig) Ochyra : Reported tentatively by Worthington (1996)  
*Eurhynchium praelongum* (Hedwig) Schimper  
*Platyhypnidium ripariooides* (Hedwig) Dixon = *Rhynchosstegium aquaticum* Jaeger  
*Rhynchosstegiella compacta* (Müller Hal.) Loeske = *Conardia compacta* (Müller Hal.) Robinson  
*Rhynchosstegium pulchellum* (Hedwig) Robinson = *Eurhynchium pulchellum* (Hedwig) Jennings  
***Rhynchosstegium aquaticum* Jaeger** [Allred et al. 1998]  
*Platyhypnidium ripariooides* (Hedwig) Dixon  
***Rhynchosstegium serrulatum* (Hedwig)** Jaeger & Sauerbeck [Stark & Castetter 1982]  
*Steerecleus serrulatus* (Hedwig) Robinson  
*Sciuro-hypnum latifolium* (Kindberg) Ignatov & Huttunen = *Brachythecium latifolium* Kindberg  
*Sciuro-hypnum oedipodium* (Mitten) Ignatov & Huttunen = *Brachythecium oedipodium* (Mitten) Jaeger  
*Sciuro-hypnum phymosum* (Hedwig) Ignatov & Huttunen = *Brachythecium phymosum* (Hedwig) Bruch & Schimper  
*Sciuro-hypnum populeum* (Hedwig) Ignatov & Huttunen = *Brachythecium populeum* (Hedwig) Bruch & Schimper  
*Steerecleus serrulatus* (Hedwig) Robinson = *Rhynchosstegium serrulatum* (Hedwig) Jaeger & Sauerbeck

**Family BRYACEAE**

*Brachymerium klotzschii* (Schwägrichen) Paris : Reported by Conard & Redfearn (1979) but validating specimens have not been located.  
*Brachymerium macrocarpum* Cardot  
*Brachymerium macrocarpum* Cardot = *Brachymerium klotzschii* (Schwägrichen) Paris  
*Brachymerium systylinum* (Müller Hal.) Jaeger = *Leptostomopsis systylia* (Müller Hal.) J.R. Spence.  
*Bryum affine* Lindberg & Arnell = *Bryum creberimum* Taylor  
*Bryum algovicum* Sendtner ex Müller Hal. = *Ptychostomum pendulum* Hornschuch  
*Bryum andicola* Hooker = *Rosulabryum andicola* (Hooker) Ochyra  
***Bryum argenteum*** Hedwig [Bartram 1931; Mahler 1978]  
*Bryum bicolor* Dickson = *Bryum dichotomum* Hedwig  
*Bryum billarderi* Schwägrichen = *Rosulabryum andicola* (Hooker) Ochyra  
*Bryum bolanderi* Sullivant = *Pohlia bolanderi* (Sullivant) Brotherus  
*Bryum caespiticium* Hedwig = *Gemmabryum caespiticium* (Hedwig) J.R. Spence  
*Bryum capillare* Hedwig = *Rosulabryum capillare* (Hedwig) J.R. Spence  
*Bryum creberimum* Taylor = *Ptychostomum creberimum* (Taylor) J.R. Spence & H.P. Ramsay  
*Bryum cyclophyllum* (Schwägrichen) Bruch & Schimper = *Ptychostomum cyclophyllum* (Schwägrichen) J.R. Spence  
*Bryum dichotomum* Hedwig = *Gemmabryum dichotomum* (Hedwig) Spence & Ramsay  
*Bryum drummondii* Müller Hal. = *Pohlia drummondii* (Müller Hal.) Andrews  
*Bryum gemmiparum* De Notaris = *Imbribryum gemmiparum* (De Notaris) J.R. Spence  
*Bryum incrassatolimbatum* Cardot = *Plagiobryoides incrassatolimbata* (Cardot) J.R. Spence  
*Bryum laevifilum* Syed = *Rosulabryum laevifilum* (Syed) Ochyra  
*Bryum lanatum* (P. Beauvois) Bridel [Allred 2011]

***Bryum lisae* De Notaris var. *cuspidatum*** (Bruch ex Schimper) Margadant = *Ptychostomum creberimum* (Taylor) J.R. Spence & H.P. Ramsay  
*Bryum lonchocaulon* Müller Hal. = *Ptychostomum lonchocaulon* (Müller Hal.) J.R. Spence  
*Bryum minutum* Lesquereux = *Imbribryum minutum* (Lesquereux) J.R. Spence  
*Bryum muehlenbeckii* Bruch & Schimper = *Imbribryum muehlenbeckii* (Bruch & Schimper) Pedersen  
*Bryum pallens* (Bridel) Swartz = *Ptychostomum pallens* (Bridel) J.R. Spence  
*Bryum pallescens* Schleicher ex Schwägrichen = *Ptychostomum pallescens* (Schleicher ex Schwägrichen) J.R. Spence  
*Bryum pendulum* (Hornschuch) Schimper = *Ptychostomum pendulum* Hornschuch  
*Bryum pseudotriquetrum* (Hedwig) Gaertner et al. = *Ptychostomum pseudotriquetrum* (Hedwig) J.R. Spence  
*Bryum pyriferum* Crundwell & Whitehouse = *Bryum valparaisense* Thériot  
*Bryum tortifolium* Funck in Bridel = *Bryum cyclophyllum* (Schwägrichen) Bruch & Schimper  
*Bryum turbinatum* (Hedwig) Turner = *Ptychostomum turbinatum* (Hedwig) J.R. Spence  
*Bryum uliginosum* (Bridel) Bruch & Schimper = *Ptychostomum cernuum* Hornschuch  
*Bryum valparaisense* Thériot = *Gemmabryum valparaisense* (Thériot) J.R. Spence  
***Gemmabryum caespiticium* (Hedwig)** J.R. Spence [Allred et al. 1998]  
*Bryum caespiticium* Hedwig  
***Gemmabryum dichotomum* (Hedwig)** Spence & Ramsay [Allred et al. 1998]  
*Bryum bicolor* Dickson  
*Bryum dichotomum* Hedwig  
***Gemmabryum valparaisense* (Thériot)** J.R. Spence [Ireland et al. 1981, 1984]  
*Bryum pyriferum* Crundwell & Whitehouse  
*Bryum valparaisense* Thériot  
***Imbribryum gemmiparum* (De Notaris)** J.R. Spence [Ireland et al. 1981]  
*Bryum gemmiparum* De Notaris  
***Imbribryum minutum* (Lesquereux)** J.R. Spence [Stark & Castetter 1982]  
*Bryum minutum* Lesquereux  
***Imbribryum muehlenbeckii* (Bruch & Schimper)** Pedersen [Ireland et al. 1981]  
*Bryum muehlenbeckii* Bruch & Schimper  
*Leptobryum* : Go to Meesiaceae  
***Leptostomopsis systyla* (Müller Hal.)** J.R. Spence [Mahler 1978]  
*Brachymerium systylinum* (Müller Hal.) Jaeger  
***Plagiobryoides incrassatolimbata* (Cardot)** J.R. Spence [Darigo & Allred 2001]  
*Bryum incrassatolimbatum* Cardot  
*Pohlia* : Go to Mniacaceae  
***Ptychostomum cernuum*** Hornschuch [Mahler 1978]  
*Bryum uliginosum* (Bridel) Bruch & Schimper  
***Ptychostomum creberimum* (Taylor)** J.R. Spence & H.P. Ramsay [Bartram 1931; Mahler 1978]  
*Bryum affine* Lindberg & Arnell  
*Bryum creberimum* Taylor  
*Bryum lisae* De Notaris var. *cuspidatum* (Bruch ex Schimper) Margadant  
***Ptychostomum cyclophyllum* (Schwägrichen)** J.R. Spence [Stark & Castetter 1982]  
*Bryum cyclophyllum* (Schwägrichen) Bruch & Schimper  
*Bryum tortifolium* Funck in Bridel  
***Ptychostomum lonchocaulon* (Müller Hal.)** J.R. Spence [Mahler 1978]  
*Bryum lonchocaulon* Müller Hal.  
***Ptychostomum pallens* (Bridel)** J.R. Spence [Allred et al. 1998]  
*Bryum pallens* (Bridel) Swartz  
***Ptychostomum pallescens* (Schleicher ex Schwägrichen)** J.R. Spence [Allred et al. 1998]  
*Bryum pallescens* Schleicher ex Schwägrichen  
***Ptychostomum pendulum*** Hornschuch [Bartram 1931; Mahler 1978]  
*Bryum pendulum* (Hornschuch) Schimper  
*Bryum algovicum* Sendtner ex Müller Hal.



*Ptychostomum pseudotriquetrum* (Hedwig) J.R. Spence [Bartram 1931; Mahler 1978]

*Bryum pseudotriquetrum* (Hedwig) Gaertner et al.

*Ptychostomum turbinatum* (Hedwig) J.R. Spence [Bartram 1931; Mahler 1978]

*Bryum turbinatum* (Hedwig) Turner

*Rhodobryum ontariense* (Kindberg) Kindberg [Mahler 1985]

*Rhodobryum roseum* (Hedwig) Limprecht : Reported by Stark & Castetter (1986), but identification corrected to *Rhodobryum ontariense* (Kindberg) Kindberg

*Rosulabryum andicola* (Hooker) Ochyra [BFNA ined.; Mohamed 1979]

*Bryum billarderi* Schwägrichen

*Rosulabryum capillare* (Hedwig) J.R. Spence [Bartram 1931; Mahler 1978]

*Bryum capillare* Hedwig

*Rosulabryum laevifolium* (Syed) Ochyra [BFNA ined.]

*Bryum laevifolium* Syed

*Webera longicollis* Hedwig = *Pohlia longicollis* (Hedwig) Lindberg

*Webera nutans* Hedwig = *Pohlia nutans* (Hedwig) Lindberg

#### Family BRYOXIPHIACEAE

*Bryoxiphium norvegicum* (Bridel) Mitten [Allred et al. 1998]

#### Family CLIMACIACEAE

*Climacium americanum* Bridel [Mahler 1985]

*Climacium dendroides* (Hedwig) Weber & Mohr [Bartram 1931; Mahler 1978]

#### Family DICRANACEAE

*Dichodontium pellucidum* (Hedwig) Schimper [Allred et al. 1998]

*Dicranella varia* (Hedwig) Schimper [Ireland et al. 1981]

*Dicranoweisia cirrata* (Hedwig) Lindberg ex Milde [Mahler 1978]

*Dicranoweisia crispula* (Hedwig) Lindberg ex Milde [Bartram 1931; Mahler 1978]

*Dicranum acutifolium* (Lindberg & Arnell) Jensen [Ireland 2007]

*Dicranum brevifolium* (Lindberg) Lindberg [Ireland 2007]

*Dicranum fuscescens* Turner var. *fuscescens* [Allred et al. 1998]

*Dicranum montanum* Hedwig [Bartram 1931; Mahler 1978]

*Dicranum muehlenbeckii* Bruch & Schimper [Bartram 1931; Mahler 1978]

*Dicranum rhabdocarpum* Sullivant [Bartram 1931; Mahler 1978]

*Dicranum scoparium* Hedwig [Allred et al. 1998]

*Oncophorus virens* (Hedwig) Bridel [Bartram 1931; Mahler 1978]

*Oncophorus wahlenbergii* Bridel [Allred et al. 1998]

*Paraleucobryum enerve* (Thedenius) Loeske [Bartram 1931; Mahler 1978]

*Paraleucobryum longifolium* (Hedwig) Loeske [Bartram 1931; Mahler 1978]

*Rhabdoweisia crispata* (Dickson ex Withering) Lindberg [Allred 2011]

*Symblepharis helicophylla* Montagne = *Symblepharis vaginata* (Hooker) Wijk & Margadant

*Symblepharis vaginata* (Hooker) Wijk & Margadant [Ireland et al. 1984; Mahler 1978]

*Symblepharis helicophylla* Montagne

#### Family DITRICHACEAE

*Ceratodon purpureus* (Hedwig) Bridel subsp. *purpureus* [Bartram 1931; Mahler 1978]

*Ceratodon purpureus* (Hedwig) Bridel subsp. *stenocarpus* (Bruch & Schimper) Dixon [Darigo & Allred 2001]

*Ceratodon stenocarpus* Bruch & Schimper = *Ceratodon purpureus* (Hedwig) Bridel subsp. *stenocarpus* (Bruch & Schimper) Dixon

*Distichium capillaceum* (Hedwig) Bruch & Schimper [Bartram 1931; Mahler 1978]

*Ditrichum flexicaule* (Schwägrichen) Hampe [Allred et al. 1998]

*Ditrichum gracile* (Mitten) Kuntze [Allred 2011]

*Saelania glaucescens* (Hedwig) Brotherus [Bartram 1931; Mahler 1978]

*Didymodon trifarius* (Hedwig) Rohling

#### Family ENCALYPTACEAE

*Encalypta ciliata* Hedwig [Bartram 1931; Mahler 1978]

*Encalypta rhaftocarpa* Schwägrichen [Conard & Redfearn 1979]

*Encalypta vulgaris* Hedwig [Chamberlain 1925; Bartram 1931]

#### Family ENTODONTACEAE

*Entodon cladorrhizans* (Hedwig) Müller Hal. : Reported by Mahler (1978), but identification corrected to *Entodon schleicheri* (Schimper) Demeter [Darigo & Allred 2001]

*Entodon concinnus* (De Notaris) Paris [Bartram 1931; Mahler 1978]

*Entodon orthocarpus* (Bridel) Lindberg

*Entodon orthocarpus* (Bridel) Lindberg = *Entodon concinnus* (De Notaris) Paris

*Entodon schleicheri* (Schimper) Demeter [Buck & Crum 1978]

*Entodon sullivanii* (Müller Hal.) Lindberg [Crum & Anderson 1981]

#### Family FABRONIACEAE

*Fabronia ciliaris* (Bridel) Bridel [Bartram 1931; Mahler 1978]

*Fabronia ciliaris* (Bridel) Bridel var. *wrightii* (Sullivant) Buck

*Fabronia gymnostoma* Sullivant & Lesquereux ex Sullivant

*Fabronia octoblepharis* (Schleicher) Schwägrichen

*Fabronia wrightii* Sullivant

*Fabronia ciliaris* (Bridel) Bridel var. *wrightii* (Sullivant) Buck = *Fabronia ciliaris* (Bridel) Bridel

*Fabronia gymnostoma* Sullivant & Lesquereux ex Sullivant = *Fabronia ciliaris* (Bridel) Bridel

*Fabronia octoblepharis* (Schleicher) Schwägrichen = *Fabronia ciliaris* (Bridel) Bridel

*Fabronia pusilla* Raddi [Mahler 1978]

*Fabronia wrightii* Sullivant = *Fabronia ciliaris* (Bridel) Bridel

#### Family FISSIDENTACEAE

*Fissidens bryoides* Hedwig [Grout 1928-1940; Mahler 1978; Stark & Castetter 1982]

*Fissidens bryoides* Hedwig var. *pusillus* (Wilson) Pursell

*Fissidens bryoides* Hedwig var. *viridulus* (Swartz) Brotherus

*Fissidens exiguum* Sullivant forma *emarginatus* Grout

*Fissidens viridulus* (Swartz) Wahlenberg

*Fissidens bryoides* Hedwig var. *pusillus* (Wilson) Pursell = *Fissidens bryoides* Hedwig

*Fissidens bryoides* Hedwig var. *viridulus* (Swartz) Brotherus = *Fissidens bryoides* Hedwig

*Fissidens crispus* Montagne [Darigo & Allred 2001; Mahler 1978]

*Fissidens exiguum* Sullivant forma *emarginatus* Grout = *Fissidens bryoides* Hedwig var. *bryoides*

*Fissidens fontanus* (B.-Py.) Steudel [Weber 1973]

*Fissidens limbatus* Sullivant : Reported by Mahler (1978), but our material is referred to *Fissidens crispus* Montagne [Darigo & Allred 2001]

*Fissidens littlei* (Williams) Grout [Allred 1998; Williams 1936]

*Moenkemeyera littlei* Williams

*Fissidens obtusifolius* Wilson var. *acuminatus* Grout [Eckel 1986]

*Fissidens obtusifolius* Wilson var. *apiculatus* Grout : Reported by Stark & Castetter (1982), but identification corrected to *Fissidens sublimbatus* Grout by Ron Pursell. [Darigo & Allred 2001]

*Fissidens sublimbatus* Grout [Pursell 2007]

*Fissidens viridulus* (Swartz) Wahlenberg = *Fissidens bryoides* Hedwig

*Moenkemeyera littlei* Williams = *Fissidens littlei* (Williams) Grout

#### Family FONTINALACEAE

*Fontinalis antipyretica* Hedwig [Mahler 1978; Welch 1963]

*Fontinalis hypnoides* Hartman var. *hypnoides* [Allred et al. 1998]

*Fontinalis neomexicana* Sullivant & Lesquereux [Bartram 1931; Mahler 1978, Sullivant & Lesquereux 1856]

#### Family FUNARIACEAE

*Entosthodon attenuatus* (Dickson) Bryhn [Miller & Miller 2007]

*Entosthodon rubiginosus* (Williams) Grout [Ireland et al. 1984]

*Funaria americana* Lindberg [Stark & Castetter 1982]

*Funaria apiculatopilosa* Cardot [Worthington 1996]

*Funaria orcutii* Bartram



*Funaria calvescens* Schwägrichen = *Funaria hygrometrica* Hedwig var. *calvescens* (Schwägrichen) Montagne  
*Funaria flavicans* Michaux [Miller & Miller 2007]  
*Funaria hygrometrica* Hedwig var. *calvescens* (Schwägrichen) Montagne [Darigo & Allred 2001]  
*Funaria calvescens* Schwägrichen  
*Funaria hygrometrica* Hedwig var. *hygrometrica* [Bartram 1931; Mahler 1978]  
*Funaria hygrometrica* Hedwig var. *ntahensis* Grout  
*Funaria hygrometrica* Hedwig var. *ntahensis* Grout = *Funaria hygrometrica*  
*Funaria muhlenbergii* Turner [Merrill & Merrill 2007]  
*Funaria orcuttii* Bartram = *Funaria apiculatopilosa* Cardot  
*Physcomitrium pyriforme* (Hedwig) Hampe [Ireland et al. 1984]  
*Pyramidula tetragona* (Bridel) Bridel [Goffinet 2007]

**Family GIGASPERMACEAE**

*Lorentziella imbricata* (Mitten) Brotherus [Allred et al. 1998]

**Family GRIMMIACEAE**

*Coscinodon calyptatus* (Hooker) C. Jensen ex Kindberg [Bartram 1931; Hastings 1999; Mahler 1978]  
*Grimmia calyptata* Hooker

*Coscinodon cribrosus* (Hedwig) Spruce [Hastings 1999; Ireland et al. 1984]  
*Grimmia cribrosa* Hedwig

*Coscinodon wrightii* Sullivant in Gray = *Jaffueliobryum wrightii* (Sullivant in Gray) Thériot

*Grimmia affinis* Hoppe & Hornschuch ex Hornschuch = *Grimmia longirostris* Hooker

*Grimmia alpestris* (Weber & Mohr) Schleicher [Hastings & Greven 2007]  
*Grimmia ungeri* of New Mexico reports

*Grimmia alpicola* of Amer. authors = *Schistidium agassizii* Sullivant & Lesquereux

*Grimmia alpicola* Swartz ex Hedwig var. *rivularis* = *Schistidium rivulare* (Bridel) Podpera var. *rivulare*

*Grimmia anodon* Bruch & Schimper [Bartram 1931; Mahler 1978]  
*Grimmia apocarpa* Hedwig var. *ambigua* (Sullivant) G. Jones in Grout = *Schistidium apocarpum* (Hedwig) Bruch & Schimper

*Grimmia apocarpa* Hedwig var. *apocarpa* = *Schistidium apocarpum* (Hedwig) Bruch & Schimper

*Grimmia apocarpa* Hedwig var. *conferta* (Funck) Sprengel = *Schistidium apocarpum* (Hedwig) Bruch & Schimper

*Grimmia apocarpa* Hedwig var. *stricta* = *Schistidium apocarpum* (Hedwig) Bruch & Schimper

*Grimmia arizonae* Renault & Cardot [Hastings & Greven 2007; Weber et al. 2003]

*Grimmia bernoullii* Mueller Hal. = *Grimmia ovalis* (Hedwig) Lindberg

*Grimmia calyptata* Hooker = *Coscinodon calyptatus* (Hooker) C. Jensen ex Kindberg

*Grimmia catalinensis* Bartram = *Grimmia longirostris* Hooker

*Grimmia converta* Funck var. *obtusifolia* Schimper = *Schistidium apocarpum* (Hedwig) Bruch & Schimper

*Grimmia cibrosa* Hedwig = *Coscinodon cribrosus* (Hedwig) Spruce

*Grimmia crinitoleucophaea* Cardot [Hastings & Greven 2007]  
*Grimmia poecilostoma* Cardot & Sebille

*Grimmia elatior* Bruch ex Balsamo-Crivelli & De Notaris [Darigo & Allred 2001]

*Grimmia donniana* Smith : Reported by Mahler (1978), but material re-identified as *Grimmia longirostris* Hooker [Darigo & Allred 2001]

*Grimmia laevigata* (Bridel) Bridel [Mahler 1978]

*Grimmia longirostris* Hooker [Darigo & Allred 2001]  
*Grimmia affinis* Hornschuch  
*Grimmia catalinensis* Bartram

*Grimmia moutana* Bruch & Schimper [Darigo & Allred 2001]

*Grimmia orbicularis* Bruch ex Wilson [Mahler 1978]

*Grimmia ovalis* (Hedwig) Lindberg [Bartram 1931; Mahler 1978]  
*Grimmia bernoullii* Mueller Hal.

*Grimmia pilifera* Beauvois [Darigo & Allred 2001]

*Grimmia plagiopodia* Hedwig [Mahler 1978]

*Grimmia poecilostoma* Cardot & Sebille = *Grimmia crinitoleucophaea* Cardot

*Grimmia pulvinata* (Hedwig) Smith [Mahler 1978]  
*Grimmia ranii* Austin = *Jaffueliobryum rauii* Thériot  
*Grimmia sessitana* De Notaris [Hastings & Greven 2007]  
*Grimmia tenerrima* Renault & Cardot  
*Grimmia tenerrima* Renault & Cardot = *Grimmia sessitana* De Notaris  
*Grimmia texicana* Greven [Greven 2010]  
*Grimmia trichophylla* Grev. [Worthington 2011]  
*Grimmia nigeri* of New Mexico reports = *Grimmia alpestris* (Weber & Mohr) Schleicher  
*Grimmia wrightii* (Sullivant in Gray) Austin = *Jaffueliobryum wrightii* (Sullivant in Gray) Thériot  
*Jaffueliobryum rauii* (Austin) Thériot [Ireland et al. 1981]  
*Grimmia ranii* Austin  
*Jaffueliobryum wrightii* (Sullivant in Gray) Thériot [Bartram 1931; Mahler 1978]  
*Coscinodon wrightii* Sullivant in Gray  
*Grimmia wrightii* (Sullivant in Gray) Austin  
*Schistidium alpicola* of Amer. authors = *Schistidium rivulare* (Bridel) Podpera  
*Schistidium ambiguum* Sullivant = *Schistidium apocarpum* (Hedwig) Bruch & Schimper  
*Schistidium apocarpum* (Hedwig) Bruch & Schimper [Bartram 1931; Mahler 1978]  
*Grimmia apocarpa* Hedwig  
*Grimmia apocarpa* Hedwig var. *antigua* (Sullivant) G. Jones in Grout  
*Grimmia apocarpa* Hedwig var. *conferta* (Funck) Sprengel  
*Grimmia apocarpa* Hedwig var. *stricta*  
*Grimmina converta* Funck var. *obtusifolia* Schimper  
*Schistidium ambiguum* Sullivant  
*Schistidium atrofuscum* (Schimper) Limpricht [McIntosh 2007]  
*Schistidium frigidum* H.H. Blom [McIntosh 2007]  
*Schistidium rivulare* (Bridel) Podpera var. *latifolium* (Zetterstedt) Crum & Anderson = *Schistidium rivulare* (Bridel) Podpera  
*Schistidium rivulare* (Bridel) Podpera [Bartram 1931; Mahler 1978]  
*Grimmia alpicola* of Amer. authors  
*Grimmia alpicola* Swartz ex Hedwig var. *rivularis* (Bridel) Wahlenberg  
*Schistidium alpicola* of Amer. authors  
*Schistidium rivulare* (Bridel) Podpera var. *latifolium* (Zetterstedt) Crum & Anderson

**Family HEDWIGIACEAE**

*Braunia secunda* (Hooker) Bruch, Schimper, & Gumbel [Allred et al. 1998]

*Hedwigia ciliata* (Hedwig) P. Beauvois [Bartram 1931; Mahler 1978]

**Family HYLOCOMIACEAE**

*Hylocomium splendens* (Hedwig) Schimper [Bartram 1931; Mahler 1978]  
*Pleurozium schreberi* (Bridel) Mitten [Mahler 1985]

**Family HYPNACEAE**

*Breidleria arcuata* (Lindberg) Loeske = *Calliergonella lindbergii* (Mitten) Hedanäs

*Breidleria pratensis* (Koch ex Spruce) Loeske [Allred et al. 1998]  
*Hypnum pratense* (Rabenh.) Spruce

*Calliergonella lindbergii* (Mitten) Hedanäs [Bartram 1931; Mahler 1978]  
*Breidleria arcuata* (Lindberg) Loeske  
*Hypnum lindbergii* Mitten

*Homomallium adnatum* (Hedwig) Brotherus : Plants previously thought to be *Homomallium adnatum* have all been verified by Bruce Allen (MO) as *Homomallium mexicanum* Cardot

*Homomallium mexicanum* Cardot var. *latifolium* Cardot [Bartram 1931; Mahler 1978]

*Homomallium mexicanum* Cardot var. *mexicanum* [Bartram 1931; Mahler 1978]

*Hypnum cupressiforme* Hedwig var. *cupressiforme* [Bartram 1931; Little 1937]  
*Hypnum fluitans* Hedwig = *Warnstorffia fluitans* (Hedwig) Loeske  
*Hypnum lindbergii* Mitten = *Calliergonella lindbergii* (Mitten) Hedanäs



*Hypnum pallescens* (Hedwig) P. Beauvois [Stark & Castetter 1982]  
*Hypnum pratense* (Rabenh.) Spruce = *Breidleria pratensis* (Koch ex Spruce)  
Loeske  
*Hypnum revolutum* (Mitten) Lindberg [Bartram 1931; Mahler 1978]  
*Hypnum vaucheri* Lesquereux [Ireland et al. 1981]  
*Hypnum wahlenbergii* F. Weber & Mohr = *Pohlia wahlenbergii* (F. Weber & Mohr) Andrews  
*Isopterygiopsis pulchella* (Hedwig) Iwatsuki [Allred et al. 1998]  
    *Isopterygium pulchellum* (Hedwig) Jaeger  
    *Plagiothecium pulchellum* (Hedwig) Schimper  
*Isopterygium homomallifolium* Redfearn = *Pseudotaxiphyllum homomallifolium* (Redfearn) Ireland  
*Isopterygium pulchellum* (Hedwig) Jaeger = *Isopterygiopsis pulchella* (Hedwig) Iwatsuki  
*Isopterygium tenerum* Mitten [Allred et al. 1998]  
*Platygyrium fuscoluteum* Cardot [Mahler 1978; Reese 1999]  
*Pseudotaxiphyllum homomallifolium* (Redfearn) Ireland [Ireland et al. 1984]  
    *Isopterygium homomallifolium* Redfearn  
*Pylaisia polyantha* (Hedwig) Schimper [Bartram 1931; Mahler 1978]  
    *Pylaisiella polyantha* (Hedwig) Grout  
*Pylaisia selwynii* (Kindberg) Crum, Steere, & L.E. Anderson [Allred 2011]  
*Pylaisiella polyantha* (Hedwig) Grout = *Pylaisia polyantha* (Hedwig) Schimper  
*Taxiphyllum deplanatum* (Bruch & Schimper ex Sullivant) Fleischer [Bartram 1931; Mahler 1978]  
*Taxiphyllum taxirameum* (Mitten) Fleischer [Mahler 1978]

**Family LESKEACEAE**

*Bryohaplocladium angustifolium* (Hampe & Müller Hal.) Watson & Iwatsuki = *Haplocladium angustifolium* (Hampe & Müller Hal.) Brotherus  
*Bryohaplocladium microphyllum* (Hedwig) Watson & Iwatsuki = *Haplocladium microphyllum* (Hedwig) Brotherus  
*Claopodium pellucinerve* (Mitten) Best [Mahler 1978]  
*Haplocladium angustifolium* (Hampe & Müller Hal.) Brotherus [Allred et al. 1998]  
    *Bryohaplocladium angustifolium* (Hampe & Müller Hal.) Watson & Iwatsuki  
*Haplocladium microphyllum* (Hedwig) Brotherus [Bartram 1931; Mahler 1978; Stark & Castetter 1986]  
    *Bryohaplocladium microphyllum* (Hedwig) Watson & Iwatsuki  
*Leptopterigynandrum austro-alpinum* Müller Hal. [Allred et al. 1998]  
*Lescurea arizonae* (Williams) P. Wilson & Norris = *Pseudoleskeella arizonae* (Williams) Lawton  
*Lescurea incurvata* (Hedwig) Lawton = *Pseudoleskeia incurvata* (Hedwig) Loeske  
*Lescurea saxicola* (Schimper) Milde [Mahler 1985]  
*Leskeella nervosa* (Bridel) Loeske var. *nervosa* [Stark & Castetter 1986]  
    *Pseudoleskeella nervosa* (Bridel) Nyholm  
*Leskeella nervosa* (Bridel) Loeske var. *sibirica* (Arnell) Brotherus [Crum & Anderson 1981, as *Pseudoleskeella catenulata* (Schrader) Kindberg]  
    *Pseudoleskeella sibirica* (Arnell) P. Wilson & Norris  
    *Pseudoleskeella rupestris* (Berggren) Hedenas & Soderstrom  
*Lindbergia brachyptera* (Mitten) Kindberg [Bartram 1931; Mahler 1978]  
*Lindbergia mexicana* (Bescherelle) Cardot ex Pringle [Bartram 1949]  
*Pseudoleskeia incurvata* (Hedwig) Loeske [Mahler 1985]  
    *Lescurea incurvata* (Hedwig) Lawton  
*Pseudoleskeia radicosa* (Mitten) Macoun & Kindberg [Worthington 1996]  
*Pseudoleskeella arizonae* (Williams) Lawton [Bartram 1931; Mahler 1978]  
    *Lescurea arizonae* (Williams) P. Wilson & Norris  
*Pseudoleskeella nervosa* (Bridel) Nyholm = *Leskeella nervosa* (Bridel) Loeske var. *nervosa*  
*Pseudoleskeella rupestris* (Berggren) Hedenas & Soderstrom = *Leskeella nervosa* (Bridel) Loeske var. *sibirica* (Arnell) Brotherus  
*Pseudoleskeella sibirica* (Arnell) P. Wilson & Norris = *Leskeella nervosa* (Bridel) Loeske var. *sibirica* (Arnell) Brotherus  
*Pseudoleskeella tectorum* var. *flagellifera* (Best) Amann = *Pseudoleskeella tectorum* (Funck ex Bridel) Kindberg

*Pseudoleskeella tectorum* (Funck ex Bridel) Kindberg [Bartram 1931; Mahler 1978]  
*Pseudoleskeella tectorum* var. *flagellifera* (Best) Amann

**Family MEESIACEAE**

*Leptobryum pyriforme* (Hedwig) Wilson [Bartram 1931; Mahler 1978]

**Family MNIACEAE**

*Mnium arizonicum* Amann [Bartram 1931; Mahler 1978]  
*Mnium blyttii* Bruch & Schimper [Bartram 1931; Mahler 1978]  
*Mnium crudum* Hedwig = *Pohlia cruda* (Hedwig) Lindberg  
*Mnium marginatum* (Dickson ex Withering) Bridel ex P. Beauvois [Bartram 1931; Mahler 1978]  
*Mnium thomsonii* Schimper [Bartram 1931; Mahler 1978]

*Plagiommium cuspidatum* (Hedwig) Koponen [Bartram 1931; Mahler 1978]  
*Plagiommium ellipticum* (Bridel) T. Koponen [Allred et al. 1998]  
*Plagiommium rostratum* (Schrader) T. Koponen [Bartram 1931; Mahler 1978]

*Pohlia bolanderi* (Sullivant) Brotherus [BFNA ined.]  
    *Bryum bolanderi* Sullivant

*Pohlia cruda* (Hedwig) Lindberg [Bartram 1931; Mahler 1978]  
    *Mnium crudum* Hedwig

*Pohlia drummondii* (Müller Hal.) Andrews [Stark & Castetter 1982]  
    *Bryum drummondii* Müller Hal.

*Pohlia elongata* Hedwig var. *elongata* [Allred et al. 1998]

*Pohlia longicollis* (Hedwig) Lindberg [BFNA ined.]  
    *Webera longicollis* Hedwig

*Pohlia nutans* (Hedwig) Lindberg [Bartram 1931; Mahler 1978]

*Pohlia tundrae* A.J. Shaw [BFNA ined.]

*Pohlia wahlenbergii* (F. Weber & Mohr) Andrews [Ireland et al. 1981]  
    *Hypnum wahlenbergii* F. Weber & Mohr

*Rhizomnium magnifolium* (Horik.) T. Koponen [Crum & Anderson 1981, as *Mnium punctatum*]

*Rhizomnium pseudopunctatum* (Bruch & Schimper) Koponen [Mahler 1985]

*Rhizomnium punctatum* (Hedwig) T. Koponen [Allred et al. 1998]

**Family NECKERACEAE**

*Metaneckera menziesii* (Hooker) Steere [Cardot 1910; Mahler 1978]  
    *Porotrichum neomexicanum* (Cardot) Wagner

*Neckera pennata* Hedwig var. *pennata* [Bartram 1931; Mahler 1978]  
    *Neckera pennata* Hedwig var. *tenera* Müller Hal.

*Neckera pennata* Hedwig var. *tenera* Müller Hal. = *Neckera pennata* Hedwig  
    *Porotrichum neomexicanum* (Cardot) Wagner = *Metaneckera menziesii* (Hooker) Steere

**Family ORTHOTRICHACEAE**

*Orthotrichum alpestre* Hornschuch ex Bruch & Schimper [Mahler 1978]

*Orthotrichum anomalum* Hedwig [Bartram 1931; Mahler 1978]

*Orthotrichum diaphanum* Bridel [Mahler 1978]

*Orthotrichum hallii* Sullivant & Lesquereux in Sullivant [Bartram 1931; Mahler 1978]

*Orthotrichum laevigatum* Zetterstedt [Allred et al. 1998]

*Orthotrichum obtusifolium* Bridel [Mahler 1978]

*Orthotrichum pumilum* Swartz [Mahler 1978]

*Orthotrichum pycnophyllum* Schimper [Vitt 1973]

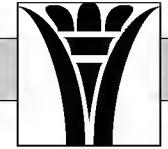
*Orthotrichum rupestre* Schleicher ex Schwägrichen [Bartram 1931; Mahler 1978]

*Orthotrichum tenellum* Bruch ex Bridel : Reported by Mahler (1978), but this species occurs in the West Coast states and Nevada, and is not likely in NM; our material most likely referred to *Orthotrichum pumilum* Swartz.

*Zygodon viridissimus* (Dickson) Bridel var. *ruprestris* Lindberg ex Hartman [Bartram 1931; Mahler 1978]

*Zygodon viridissimus* (Dickson) Bridel var. *vulgaris* Malta

*Zygodon viridissimus* (Dickson) Bridel var. *vulgaris* Malta = *Zygodon viridis-*  
simus (Dickson) Bridel var. *ruprestris* Lindberg ex Hartman



### Family PLAGIOTHECIACEAE

*Plagiothecium denticulatum* (Hedwig) Schimper [Ireland et al. 1981]  
*Plagiothecium laetum* Schimper [Mahler 1978]  
*Plagiothecium pulchellum* (Hedwig) Schimper = Isopterygiopsis pulchella (Hedwig) Iwatsuki

### Family POLYTRICHACEAE

*Atrichum rupestre* Hedwig : Reported by Mahler (1985), but not included in North America by Smith-Merrill (2007); awaits verification.  
*Atrichum selwynii* Austin [Mahler 1985; Smith-Merrill 2007]  
*Atrichum undulatum* (Hedwig) P. Beauvois : Reported by Bartram (1931) and Mahler (1978), but scarcely in North America fide Smith-Merrill (2007); specimens await correct determination.  
*Meiotrichum lyallii* (Mitten) G.L. Smith [Conard & Redfearn 1979; Smith-Merrill 2007]  
*Polytrichum lyallii* (Mitten) Kindberg  
*Pogonatum alpinum* (Hedwig) Rhl. = *Polytrichastrum alpinum* (Hedwig) G.L. Smith  
*Polytrichastrum alpinum* (Hedwig) G.L. Smith var. *alpinum* [Bartram 1931; Mahler 1985]  
*Pogonatum alpinum* (Hedwig) Rhl.  
*Polytrichastrum ohioense* (Renauld & Cardot) G.L. Smith [Smith-Merrill 2007]  
*Polytrichastrum sexangulare* (Bridel) G.L. Smith [Mahler 1978]  
*Polytrichum sexangulare* Bridel  
*Polytrichum juniperinum* Hedwig [Bartram 1931; Mahler 1978]  
*Polytrichum lyallii* (Mitten) Kindberg = *Meiotrichum lyallii* (Mitten) G.L. Smith  
*Polytrichum piliferum* Hedwig [Mahler 1985; Smith-Merrill 2007]  
*Polytrichum sexangulare* Bridel = *Polytrichastrum sexangulare* (Bridel) G.L. Smith

### Family POTTIACEAE

*Aloina rigida* (Hedwig) Limpricht var. *rigida* [Delgadillo-M. 2007; Mahler 1978]  
*Anoectangium obtusifolium* (Brotherus & Paris in Cardot) Grout = *Molendoa sendtneriana* (Bruch & Schimper) Limpricht  
*Astonium phascoides* (Drumm.) Grout = *Weissia phascoides* Zander  
*Barbula acuta* (Bridel) Bridel = *Didymodon rigidulus* Hedwig var. *gracilis* (Schleicher ex Hooker & Greville) Zander  
*Barbula acuta* (Bridel) Bridel var. *bescherellei* (Sauerbeck ex Jaeger) Crum = *Didymodon rigidulus* Hedwig var. *gracilis* (Schleicher ex Hooker & Greville) Zander  
*Barbula bescherellei* Sauerbeck = *Didymodon rigidulus* Hedwig var. *gracilis* (Schleicher ex Hooker & Greville) Zander  
*Barbula bolleana* (Müller Hal.) Brotherus [Eckel 1988; Zander 2007]  
*Barbula ehrenbergii* (Lorentz) Fleischer  
*Barbula convoluta* Hedwig var. *convoluta* [Zander 2007]  
*Barbula ehrenbergii* (Lorentz) Fleischer = *Barbula bolleana* (Müller Hal.) Brotherus  
*Barbula gracilis* Schwägrichen = *Didymodon rigidulus* Hedwig var. *gracilis* (Schleicher ex Hooker & Greville) Zander  
*Barbula indica* (Hooker) Sprengel var. *indica* [Zander 2007]  
*Barbula reflexa* (Bridel) Bridel = *Didymodon ferrugineus* (Schimper ex Bescherolle) M.O. Hill  
*Barbula sinensis* Müller Hal. = *Syntrichia sinensis* (Müller Hal.) Ochyra  
*Barbula spiralis* (Schimper) ex Müller Hal. = *Pseudocrossidium replicatum* (Taylor) Zander  
*Barbula unguiculata* Hedwig [Bartram 1931; Mahler 1978]  
*Bryoerythrophyllum recurvirostre* (Hedwig) Chen [Bartram 1931; Mahler 1978]  
*Bryoerythrophyllum recurvirostre* (Hedwig) Chen var. *dentatum* (Schimper) Crum et al.  
*Didymodon recurvirostris* Hedwig  
*Bryoerythrophyllum recurvirostre* (Hedwig) Chen var. *dentatum* (Schimper) Crum et al.  
*Chenia leptophylla* (Müller Hal.) Zander [Ireland et al. 1984]  
*Chenia rhizophylla* Sakurai) Zander

*Tortula rhizophylla* (Sakurai) Iwatsuki & Saito

*Crossidium aberrans* Holzinger & Bartram [Ireland et al. 1981]  
*Crossidium crassinervium* (De Notaris) Juratzka var. *crassinervium* [Stark & Castetter 1986]  
*Crossidium seriatum* Crum & Steere [Delgadillo-M. 1996]  
*Desmatodon cernuus* (Hüberner) Bruch & Schimper = *Tortula cernua* (Hüberner) Lindberg  
*Desmatodon convolutus* (Bridel) Grout = *Tortula atroviron* (J.E. Smith) Lindberg  
*Desmatodon guepinii* Bruch & Schimper = *Tortula guepinii* (Bruch & Schimper) Brotherus  
*Desmatodon heimii* (Hedwig) Mitten = *Hennediella heimii* (Hedwig) Zander  
*Desmatodon latifolius* (Hedwig) Bridel = *Tortula euryphylla* Zander  
*Desmatodon latifolius* (Hedwig) Bridel var. *muticus* (Bridel) Bridel = *Tortula hoppeana* (Schultz) Ochyra  
*Desmatodon obtusifolius* (Schwägrichen) Schimper = *Tortula obtusifolia* (Schwägrichen) Mathey  
*Desmatodon plinthobius* Sull & Lesquereux = *Tortula plinthobia* (Sullivant & Lesquereux) Austin  
*Didymodon anserinocapitatus* (X.-j. Li) Zander [Zander & Weber 1997]  
*Didymodon acutus* (Bridel) Saito = *Didymodon rigidulus* Hedwig  
*Didymodon australasiae* (Greville & Hooker) Zander [Stark & Castetter 1986; Ireland et al. 1984]  
*Husnotiella torquescens* (Cardot) Bartram  
*Trichostomopsis australasiae* (Greville & Hooker) Robinson  
*Didymodon australasiae* (Hooker & Greville) Zander var. *umbrosus* (Müller Hal.) Zander = *Didymodon umbrosus* (Müller Hal.) Zander  
*Didymodon brachyphyllus* (Sullivant) Zander [Zander & Ochyra 2001]  
*Didymodon luridus* of NM reports  
*Didymodon fallax* (Hedwig) Zander [Zander 2007]  
*Didymodon fallax* (Hedwig) Zander var. *reflexus* (Bridel) Zander = *Didymodon ferrugineus* (Schimper ex Bescherolle) M.O. Hill  
*Didymodon ferrugineus* (Schimper ex Bescherolle) M.O. Hill [Bartram 1931; Mahler 1978]  
*Barbula reflexa* (Bridel) Bridel  
*Didymodon fallax* (Hedwig) Zander var. *reflexus* (Bridel) Zander  
*Didymodon luridus* of NM reports = *Didymodon brachyphyllus* (Sullivant) Zander  
*Didymodon nevadensis* Zander [Zander 2007]  
*Didymodon recurvirostre* Hedwig = *Bryoerythrophyllum recurvirostre* (Hedwig) Chen  
*Didymodon revolutus* (Cardot) Williams [Stark & Castetter 1982]  
*Didymodon rigidulus* Hedwig var. *gracilis* (Schleicher ex Hooker & Greville) Zander [Bartram 1931; Mahler 1978; Stark & Castetter 1986]  
*Barbula acuta* Bridel  
*Barbula acuta* (Bridel) Bridel var. *bescherellei* (Sauerbeck ex Jaeger) Crum  
*Barbula bescherellei* Sauerbeck  
*Didymodon acutus* (Bridel) Saito  
*Didymodon rigidulus* Hedwig var. *icmadophilus* (Müller Hal.) Zander [Allred et al. 1998]  
*Didymodon rigidulus* Hedwig var. *rigidulus* [Bartram 1931]  
*Didymodon tectorum* (Müller Hal.) Saito [Zander & Ochyra 2001]  
*Didymodon tophaceus* (Bridel) Lisa [Bartram 1931; Mahler 1978]  
*Didymodon trifarinis* (Hedwig) Rhl. = *Saelania glaucescens* (Hedwig) Brotherus (Ditrichaceae)  
*Didymodon umbrosus* (Müller Hal.) Zander [Zander 2007]  
*Didymodon australasiae* (Greville & Hooker) R.H. Zander var. *umbrosus* (Müller Hal.) R.H. Zander  
*Didymodon vinealis* (Bridel) Zander var. *luridus* of NM reports = *Didymodon brachyphyllus* (Sullivant) Zander  
*Didymodon vinealis* (Bridel) Zander var. *vinealis* [Stark & Castetter 1982]  
*Eucladium verticillatum* (Bridel) Bruch & Schimper [Bartram 1931; Mahler 1978]  
*Gymnostomum aeruginosum* Smith [Bartram 1931; Mahler 1978]  
*Gymnostomum calcareum* of NM reports  
*Gymnostomum calcareum* of NM reports = *Gymnostomum aeruginosum* Smith  
*Hennediella heimii* (Hedwig) Zander var. *heimii* [Bartram 1931; Mahler 1978]



*Desmatodon heimii* (Hedwig) Mitten  
*Pottia heimii* (Hedwig) Hampe

*Hnsnotiella torquescens* (Cardot) Bartram = *Didymodon australasiae* (Greville & Hooker) Zander

*Hymenostomum tortile* (Schwägrichen) Bruch & Schimper = *Weissia condensa* (Voit) Lindberg

*Hymenostylium recurvirostrum* (Hedwig) Dixon var. *recurvirostrum* [Bartram 1931; Mahler 1978]

*Leptodontium flexifolium* (Withering) Hampe in Lindberg [Mahler 1978]

*Microbryum davallianum* (Smith) R.H. Zander var. *conicum* (Schwägrichen) R. H. Zander [Reported tentatively by Worthington 1996]

*Pottia texana* Wareham

*Microbryum starkeanum* (Hedwig) R.H. Zander [Ireland et al. 1981]

*Pottia arizonica* Wareham var. *mucronulata* Wareham

*Molendoa sendtneriana* (Bruch & Schimper) Limprecht [Ireland et al. 1981; Stark & Castetter 1982]

*Anoectangium obtusifolium* (Brotherus & Paris in Cardot) Grout

*Neocardotia subnigra* (Mitten) Thériot & Bartram = *Rhexophyllum subnigrum* (Mitten) Thériot ex Hilpert

*Oxystegus tenuirostris* (Hooker & Taylor) A.J.E. Smith = *Trichostomum tenuirostre* (Hooker & Taylor) Lindberg

*Phascum cuspidatum* Hedwig = *Tortula acaulon* (Withering) Zander

*Pleurochaete luteola* (Bescherelle) Thériot [Mahler 1978]

*Pleurochaete squarrosa* of New World reports

*Pleurochaete squarrosa* of New World reports = *Pleurochaete luteola* (Bescherelle) Thériot

*Pottia arizonica* Wareham var. *mucronulata* Wareham = *Microbryum starkeanum* (Hedw.) R. H. Zander [Ireland et al. 1981]

*Pottia bryoides* (Dickson) Mitten = *Tortula protobryoides* R.H. Zander

*Pottia heimii* (Hedwig) Hampe = *Hennediella heimii* (Hedwig) Zander

*Pottia nevadensis* Cardot & Thériot = *Tortula nevadensis* (Cardot & Thériot) R. H. Zander

*Pottia texana* Wareham = *Microbryum davallianum* (Smith) R.H. Zander var. *conicum* (Schwägrichen) R. H. Zander [Reported tentatively by Worthington 1996]

*Pseudocrossidium crinitum* (Schultz) Zander [Mahler 1978]

*Pseudocrossidium aureum* (Bartram) Zander

*Tortula aurea* Bartram

*Pseudocrossidium aureum* (Bartram) Zander = *Pseudocrossidium crinitum* (Schultz) Zander

*Pseudocrossidium obtusulum* (Lindberg) Crum [Zander 2007]

*Pseudocrossidium replicatum* (Taylor) Zander [Mahler 1978, as *Barbula spiralis*] *Barbula spiralis* (Schimper) ex Müller Hal.

*Pterygoneurum cavifolium* (Ehrh.) Juratzka = *Pterygoneurum ovatum* (Hedwig) Dixon

*Pterygoneurum ovatum* (Hedwig) Dixon [Mahler 1978]

*Pterygoneurum cavifolium* (Ehrh.) Juratzka

*Pterygoneurum subsessile* (Bridel) Juratzka var. *subsessile* [Ireland et al. 1981]

*Rhexophyllum subnigrum* (Mitten) Thériot ex Hilpert [Bartram 1931; Mahler 1978]

*Neocardotia subnigra* (Mitten) Thériot & Bartram

*Stegonia latifolia* (Schwägrichen) Venturi ex Brotherus var. *latifolia* [Zander 2007]

*Syntrichia bartramii* (Steere) Zander [Mahler 1978]

*Tortula bartramii* Steere in Grout

*Syntrichia caninervis* Mitten [Flowers 1973, as *Tortula bistratosa* Flowers]

*Tortula caninervis* (Mitten) Brotherus

*Syntrichia chisoa* (Magill, Delgadillo, & Stark) Zander [Magill et al. 1983; Stark & Castetter 1986]

*Tortula chisoa* Magill, Delgadillo, & Stark

*Syntrichia fragilis* (Taylor) Ochyra [Bartram 1931; Mahler 1978]

*Tortula fragilis* Taylor

*Syntrichia inermis* (Bridel) Bruch = *Tortula inermis* (Bridel) Montagne

*Syntrichia laevipila* Bridel [Bartram 1931; Mahler 1978]

*Tortula pagorum* (Milde) De Notaris

*Syntrichia montana* Nees [Alfred et al. 1998; Mishler 2007]

*Tortula intermedia* (Bridel) Berkeley

*Tortula montana* (Nees) Lindberg

*Syntrichia norvegica* Weber & Mohr [Allred et al. 1998; Flowers 1973]

*Tortula norvegica* (Weber & Mohr) Wahlenberg ex Lindberg

*Syntrichia obtusissima* (Müller Hal.) Zander [Ireland et al. 1981]

*Tortula obtusissima* (Müller Hal.) Mitten

*Syntrichia pagorum* (Milde) Amann = *Syntrichia laevipila* Bridel

*Syntrichia papillosa* (Wilson) Juratzka [Weber 1957]

*Tortula papillosa* Wilson

*Syntrichia papillosoissima* (Coppey) Loeske [Flowers 1973]

*Tortula papillosoissima* (Coppey) Brotherus

*Tortula ruralis* (Hedwig) Gaertner var. *hirsuta* (Venturi) Paris

*Syntrichia ruralis* (Hedwig) Weber & Mohr [Bartram 1931; Mahler 1978]

*Tortula ruralis* (Hedwig) Gaertner

*Tortula ruralis* (Hedwig) Gaertner et al. var. *crinita* De Notaris

*Syntrichia sinensis* (Müller Hal.) Ochyra [Mishler 2007]

*Barbula sinensis* Müller Hal.

*Timmiella anomala* (Bruch & Schimper) Limprecht [Stark & Castetter 1986]

*Tortella humilis* (Hedwig) Jennings [Ireland et al. 1981]

*Tortella tortuosa* (Hedwig) Limprecht [Stark & Castetter 1982]

*Tortula aurea* Bartram = *Pseudocrossidium crinitum* (Schultz) Zander

*Tortula acaulon* (Withering) Zander [Ireland et al. 1981; Zander & Eckel 2007]

*Phascum cuspidatum* Hedwig

*Tortula atrovirens* (J.E. Smith) Lindberg [Stark & Castetter 1986]

*Desmatodon convolutns* (Bridel) Grout

*Tortula bartramii* Steere in Grout = *Syntrichia bartramii* (Steere) Zander

*Tortula bistratosa* Flowers = *Syntrichia caninervis* Mitten

*Tortula brevipes* (Lesquereux) Brotherus [Allred et al. 1998]

*Tortula caninervis* (Mitten) Brotherus = *Syntrichia caninervis* Mitten

*Tortula cernua* (Hüberner) Lindberg [Crum & Anderson 1981]

*Desmatodon cerinus* (Hb.) Bruch & Schimper

*Tortula chisoa* Magill, Delgadillo, & Stark = *Syntrichia chisoa* (Magill, Delgadillo, & Stark) Zander

*Tortula euryphylla* Zander = *Tortula hoppeana* (Schultz) Ochyra

*Tortula fragilis* Taylor = *Syntrichia fragilis* (Taylor) Ochyra

*Tortula quepinii* (Bruch & Schimper) Brotherus [Mahler 1978]

*Desmatodon quepinii* Bruch & Schimper

*Tortula hoppeana* (Schultz) Ochyra [Mahler 1978; Zander & Eckel 2007]

*Desmatodon latifolius* (Hedwig) Bridel

*Desmatodon latifolius* (Hedwig) Bridel var. *mniticns* (Bridel) Bridel

*Tortula emeryphylla* Zander

*Tortula inermis* (Bridel) Montagne [Mahler 1978]

*Syntrichia inermis* (Bridel) Bruch

*Tortula intermedia* (Bridel) Berkeley = *Syntrichia montana* Nees

*Tortula moutana* (Nees) Lindberg = *Syntrichia montana* Nees

*Tortula microufolia* Schwägrichen [Bartram 1931; Mahler 1978]

*Tortula nevadensis* (Cardot & Thériot) R.H. Zander [Ireland et al. 1984]

*Pottia nevadensis* Cardot & Thériot

*Tortula norvegica* (Weber & Mohr) Wahlenberg ex Lindberg = *Syntrichia norvegica* Weber & Mohr

*Tortula obtusifolia* (Schwägrichen) Mathieu [Bartram 1931; Mahler 1978]

*Desmatodon obtusifolius* (Schwägrichen) Schimper

*Tortula obtusissima* (Müller Hal.) Mitten = *Syntrichia obtusissima* (Müller Hal.) Zander

*Tortula pagorum* (Milde) De Notaris = *Syntrichia laevipila* Bridel

*Tortula papillosa* Wilson = *Syntrichia papillosa* (Wilson) Juratzka

*Tortula papillosoissima* (Coppey) Brotherus = *Syntrichia papillosoissima* (Coppey) Loeske

*Tortula ruralis* (Hedwig) Gaertner var. *hirsuta* (Venturi) Paris

*Tortula plinthobia* (Sullivant & Lesquereux) Austin [Mahler 1978]

*Desmatodon plinthobius* Sullivant & Lesquereux

*Tortula protobryoides* R.H. Zander [Allred et al. 1998]

*Pottia bryoides* (Dickson) Mitt

*Tortula rhizophylla* (Sakurai) Iwatsuki & Saito = *Chenia leptophylla* (Müller Hal.) Zander

*Tortula ruralis* (Hedwig) Gaertner et al. var. *crinita* De Notaris = *Syntrichia ruralis* (Hedwig) Weber & Mohr

*Tortula ruralis* (Hedwig) Gaertner var. *hirsuta* (Venturi) Paris = *Syntrichia*



papillosissima (Coppey) Loeske  
*Tortula ruralis* (Hedwig) Gaertner = *Syntrichia ruralis* (Hedwig) Weber & Mohr  
*Tortula ruralis* (Hedwig) Gaertner et al. var. *crinita* De Notaris  
*Trichostomopsis australasiae* (Greville & Hooker) Robinson = *Didymodon australasiae* (Greville & Hooker) Zander  
*Trichostomum brachydontium* Bruch [Ireland et al. 1984]  
*Trichostomum crispulum* Bruch [Ireland et al. 1984]  
*Trichostomum planifolium* (Dixon) R.H. Zander [Stark 1996]  
*Weissia sweetii* Bartram  
*Trichostomum sweetii* (Bartram) Stark = *Trichostomum planifolium* (Dixon)  
R.H. Zander  
*Trichostomum tenuirostre* (Hooker & Taylor) Lindberg [Ireland et al. 1984]  
*Oxystegus tenuirostris* (Hooker & Taylor) A.J.E. Smith  
*Weissia andersoniana* Zander = *Weissia ligulifolia* (Bartram) Grout  
*Weissia condensa* (Voit) Lindberg : Not known from North America [Zander 2007]; reports of this species in NM refer to *Weissia controversa* Hedwig  
*Hymenostomum tortile* (Schwägrichen) Bruch & Schimper  
*Weissia tortilis* (Schwägrichen) Müller Hal.  
*Weissia controversa* Hedwig [Bartram 1931; Mahler 1978]  
*Weissia condensa* auct., non (Voit) Lindberg  
*Weissia viridula* Hedwig  
*Weissia glauca* Bartram = *Weissia ligulifolia* (Bartram) Grout  
*Weissia ligulifolia* (Bartram) Grout [Ireland et al. 1981; Stark & Castetter 1982]  
*Weissia andersoniana* Zander  
*Weissia glauca* Bartram  
*Weissia phascopsis* Zander [Eckel 1986]  
*Astomum phascoides* (Drummond) Grout [not *Weissia phascoides* (Wilson) Müller Hal.]  
*Weissia sweetii* Bartram = *Trichostomum planifolium* (Dixon) R.H. Zander  
*Weissia tortilis* (Schwägrichen) Müller Hal. = *Weissia condensa* (Voit.) Lindberg  
*Weissia viridula* Hedwig = *Weissia controversa* Hedwig

#### Family PTYCHOMITRIACEAE

*Ptychomitrium serratum* Bruch & Schimper [Worthington 2011]  
*Ptychomitrium sinense* (Mitten) A. Jaeger [Ireland et al. 1984; Reese 1998]  
*Ptychomitrium leibergii* Best  
*Ptychomitrium leibergii* Best = *Ptychomitrium sinense* (Mitten) A. Jaeger

#### Family RHYTIDIACEAE

*Rhytidium rugosum* (Hedwig) Kindberg [Bartram 1931; Mahler 1978]

#### Family SPHAGNACEAE

*Sphagnum fimbriatum* Wilson [Coop 2002]

#### Family SPLACHNACEAE

*Tayloria acuminata* Hornschuch [Crum & Anderson 1981]

#### Family STEREOPHYLLACEAE

*Stereophyllum radiculosum* (Hooker) Mitten [Grout 1945; Mahler 1978]

#### Family TETRAPHIDACEAE

*Tetraphis pellucida* Hedwig [Allred et al. 1998]

#### Family THUIDIACEAE

*Abietinella abietina* (Hedwig) Fleischer [Bartram 1931; Mahler 1978]

*Thuidium abietinum* (Hedwig) Schimper

*Thuidium abietinum* (Hedwig) Schimper = *Abietinella abietina* (Hedwig) Fleischer

*Thuidium assimile* (Mittel) A. Jaeger [Bartram 1931; Mahler 1978]

*Thuidium delicatulum* (Hedwig) Schimper

*Thuidium delicatulum* (Hedwig) Schimper = *Thuidium assimile* (Mittel) A. Jaeger

*Thuidium delicatulum* (Hedwig) Schimper var. *radicans* (Kindberg) Crum et al.  
= *Thuidium philibertiae* Limpricht

*Thuidium philibertiae* Limpricht [Mahler 1978]

*Thuidium delicatulum* (Hedwig) Schimper var. *radicans* (Kindberg)

Crum et al.

#### Family TIMMIACEAE

*Timmia austriaca* Hedwig [Bartram 1931; Mahler 1978]

*Timmia bavarica* Hessler = *Timmia megapolitana* Hedwig var. *bavarica* (Hessler) Bridel

*Timmia megapolitana* Hedwig var. *bavarica* (Hessler) Bridel [Mahler 1978]

*Timmia bavarica* Hessler

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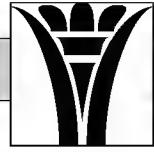
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## Calling All Inventories...

When visiting a particular area in New Mexico, have you ever wished you had a plant list for that region? There's a chance someone has been there before you and compiled just such a list. We would like to make available these sorts of regionalized inventories. Several are already online at the Range Science Herbarium web site: <http://aces.nmsu.edu/academics/rangescienceherbarium/index.html>. Just take the link on the left to "Reports, Plant Lists, and Floras for New Mexico," or go directly to <http://aces.nmsu.edu/academics/rangescienceherbarium/plant-lists-and-floras-f.html>. There you will find unpublished and downloadable plant lists for a variety of regions in the state, as well as published (but, alas, not downloadable) lists you can track down via libraries and the internet.

If you would like to contribute to this itemization of the flora of New Mexico, send your report to the editor (kallred@nmsu.edu).



## Plant Distribution Reports

New records and significant distribution reports for New Mexico plants should be documented by complete collection information and disposition of a specimen (herbarium). Exotic taxa are indicated by an asterisk (\*), endemic taxa by a cross (+). Comments [in brackets] are the editor's.

— Kelly W. Allred [New Mexico State University, MSC 3-I, Las Cruces, NM 88003]

***Bryum lanatum*** (P. Beauvois) Bridel (Bryophyta, Bryaceae):  
Hidalgo County: Peloncillo Mts, Clanton Draw, rocky pine -oak woodland, N31° 31.0217 W109° 1.0683, growing in soil crevices on basaltic boulder in gully, 5600 ft (1700 m), 19 Aug 2008, Kelly W. Allred 9659 (NMCR). Sandoval County: Valles Caldera National Preserve, along Rito de

los Indios, spruce-fir subalpine forest, N35 59.6733 W106 28.4591, growing on moist rocks, 9100 ft (2775 m), 28 Sep 2008, Kelly W. Allred 9787 (NMCR). Otero County: Sacramento Mts, Bailey Canyon, about 8,000 ft, on ground, conifer forest, 6 Dec 1980, Richard D. Worthington 6825 (COLO, NMCR, UTEP). [This has been known for some time from the state, but without formal documentation.]

**Botany is the natural science that transmits the knowledge of plants.**

— Linnæus



## Publication and Subscription Information

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Kelly Allred, editor



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